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TITLE: SOLDER FLUX  
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INVENTOR-INFORMATION:

NAME  
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ASSIGNEE-INFORMATION:

NAME	COUNTRY
MATSUSHITA ELECTRIC IND CO LTD	N/A

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ABSTRACT:

PROBLEM TO BE SOLVED: To smooth the sliding of the sliding contact of a small-sized motor and to prevent the contact defect of the contact so as to prolong the life of the contact by using chain satd. fatty acid as the essential component of a solder flux to be used for soldering near the contact described above.

SOLUTION: Terminals are welded near to the brush and commutator of the small-sized motor used in a range of working voltage of 0.5 to 30V and working current of 10 to 500mA. At this time, the essential component of the solder flux for soldering is formed of the chain satd. fatty acid.

Octadecanoic acid, hexadecanoic acid or the hexadecanoic acid and the octadecanoic acid are used as the chain satd. fatty acid. The solder flux used near the contact is eluted by the vapor phase lubricant of polyhydric alcohol, by which a thin film is formed on the contact part surface and a lubricating film is formed. This film prevents the adsorption of arom. hydrocarbon, such as toluene and xylene evaporated from the adhesives used for apparatus on the contact part surface, thereby preventing the formation of electrically insulating blackening matter and improving the lubricity of the sliding surface of the brush are made possible.

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